

ABSTRACT OF THE DISCLOSURE

A sense amplifier power-gating circuit and method is disclosed which is of particular utility with respect to DRAM devices, or those incorporating
5 embedded DRAM, and having a power-down (or Sleep) mode of operation. In accordance with a particular technique of the present invention, the local sense amplifier driver transistors serve a dual purpose as both driver and power gate transistors thereby
10 obviating the need for large, distinct power-gating devices. This serves to minimize on-chip area requirements while not degrading sensing speed as in conventional approaches.